

- Perform chemical, bacteriological and biological analyses of samples taken from wastewater treatment plant processes, industrial waste, domestic water and receiving water.
- Prepare and maintain a variety of records and reports.
- Maintain and operate laboratory instruments.
- Develop and/or optimize analytical methods.
- Prepare method validation package for certification purposes.
- Review and evaluate test results.
- Order and purchase laboratory supplies.
- Prepare and standardize solutions and reagents used in laboratory analyses.
- Clean, acid wash and sterilize laboratory glassware, equipment and utensils.
- Assist in the technical operations and overall activities of the laboratory.
- Observe housekeeping and safety regulations.
- Perform related duties as required.

QUALIFICATIONS

Knowledge of:

- Principles and practices of analytical chemistry, bacteriology and biology.
- Laboratory techniques, equipment, terminology and procedures.
- Mathematical computations involved in data analysis.

Ability to:

- Perform standardized tests and accurately interpret results.
- Utilize a personal computer for calculations, data organization, storage and preparation of analytical reports.
- Recognize unusual samples and results.
- Maintain and operate analytical instruments.
- Deal tactfully and effectively with the public and other employees.

Laboratory Analyst I

Education and Experience:

Any combination of experience and education that would likely provide the required knowledge and abilities is qualifying. A typical way to obtain the knowledge and abilities would be:

Education: Equivalent to the completion of the twelfth grade. Completion of chemistry courses in qualitative and quantitative analysis at a recognized college or university is desirable but not required.

Experience: One year of experience in performing a variety of tests in a physical, chemical or biological laboratory or one year of experience in any area of wastewater field.

Laboratory Analyst II

Education and Experience:

Any combination of experience and education that would likely provide the required knowledge and abilities is qualifying. A typical way to obtain the knowledge and abilities would be:

Education: Equivalent to a Bachelor of Science degree in chemistry, biology, or related field. Additional qualifying experience may substitute for two years of the required education on a year-for-year basis.

Experience: Two years of laboratory experience comparable to that of a Laboratory Analyst I in a wastewater laboratory or facility.

Laboratory Analyst III

Education and Experience:

Any combination of experience and education that would likely provide the required knowledge and abilities is qualifying. A typical way to obtain the knowledge and abilities would be:

Education: Equivalent to a Bachelor of Science degree in chemistry, biology, or related field.
Additional qualifying experience may substitute for two years of the required education on a year-for-year basis.

Experience: 5 years of laboratory experience comparable to that of a Laboratory Analyst II in a wastewater laboratory or facility.

NECESSARY SPECIAL REQUIREMENT

Willingness to work overtime as required and to work weekends and holidays as scheduled.

Possession of or ability to obtain an appropriate, valid California motor vehicle operator's license.

Possession of a Grade II Laboratory Technologist certification issued by the California Water Pollution Control Association.

MEDICAL CATEGORY: Group I

CAREER ADVANCEMENT OPPORTUNITIES

FROM: Laboratory Analyst I

TO: Laboratory Analyst II

TO; Laboratory Analyst III